

FILING FOR WATER IN THE STATE OF UTAH

MAR 28 1988

DIVISION OF
OIL, GAS & MINING

MAR 14 1988

Rec. by 98
Fee Rec. 30.00
Receipt # 23909

Microfilmed _____

Roll # _____

APPLICATION TO APPROPRIATE WATER

TEMPORARY

RECEIVED

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in 1988 accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

WATER RIGHTS

* WATER RIGHT NO. 09 — 1565

* APPLICATION NO. A T63122 PRICE

1. *PRIORITY OF RIGHT: March 10, 1988 * FILING DATE: March 10, 1988

2. OWNER INFORMATION

Name(s) Samedan Oil Corporation c/o Permits West, Inc. * Interest: _____ %

Address: 37 Verano Loop (505) 984-8120

City: Santa Fe State: NM Zip Code: 87505

Is the land owned by the applicant? Yes _____ No XXX

(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or Nine ac-ft

4. SOURCE Recapture Creek (Reservoir) * DRAINAGE: _____

which is tributary to San Juan River

which is tributary to Colorado River

POINT(S) OF DIVERSION: _____ COUNTY: San Juan

North 1100 feet and East 200 feet from the SW corner of Sec. 7, T. 36 S., R. 23 E., S1B1

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.

* COMMON DESCRIPTION: 3 1/2 mi. NE of Blanding Blanding Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from N/A at a point: _____

Description of Rediverting Works: _____

6. POINT(S) OF RETURN

The amount of water consumed will be _____ cfs or 9.0 ac-ft

The amount of water returned will be _____ cfs or _____ ac-ft

The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: N/A Storage Period: from _____ to _____

Capacity: _____ ac-ft. Inundated Area: _____ acres

Height of dam: _____ feet

Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

Appropriate

8. List any other water rights which will supplement this application _____
Application supplements other entities' water rights for stockwatering, irrigation, etc.

9. NATURE AND PERIOD OF USE

Irrigation:	From _____ to _____
Stockwatering:	From _____ to _____
Domestic:	From _____ to _____
Municipal:	From _____ to _____
Mining:	From _____ to _____
Power:	From _____ to _____
Other:	From <u>May 1, 1988</u> to <u>Apr 30, 1989</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
North 22-40' and East 950' from the SW corner of Sec. 13, T. 36 S., R. 23 E., SLEB at the Big Pony 1-13
oil well (NWSE 13-36s-23e); South 1750' and West 1275' from the NE corner of Sec. 5, T. 37 S., R. 23
E. at the Lucky Lynn oil well (SENE 5-37s-23e); and North 660' and West 1500' from the SE corner of
Sec. 26, T. 36 S., R. 23 E. at the Mustang 26-34 well (SWSE 26-36s-23e).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2: Land is public (federal) and administered by Bureau of
Land Management, Monticello, Utah. Recapture Reservoir is administered by the San Juan Water
Conservancy District. Norman Nielson has approved this use.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Rita Loe
Signature of Applicant(s)

TEMPORARY

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WATER RIGHTS
PRICE

* WATER RIGHT NO. 09 — 1565

* APPLICATION NO. A T63122

1. *PRIORITY OF RIGHT: March 10, 1988 * FILING DATE: March 10, 1988

2. OWNER INFORMATION

Name(s): Samedan Oil Corporation c/o Permits West, Inc. * Interest: _____ %
Address: 37 Verano Loop (505) 984-8120
City: Santa Fe State NM Zip Code: 87505
Is the land owned by the applicant? Yes _____ No XXX
(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or Nine ac-ft

4. SOURCE: Recapture Creek (Reservoir) * DRAINAGE: _____
which is tributary to San Juan River
which is tributary to Colorado River

POINT(S) OF DIVERSION: _____ COUNTY: San Juan
North 1100 feet and East 200 feet from the SW corner of Sec. 7, T. 36 S., R. 23 E., SLBM

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.
* COMMON DESCRIPTION: 3 1/2 mi. NE of Blanding Blanding Quad

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The water will be rediverted from N/A at a point: _____

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The amount of water consumed will be _____ cfs or 9.0 ac-ft
The amount of water returned will be _____ cfs or _____ ac-ft
The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: _____ N/A Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

Appropriate

8. List any other water right which will supplement this application _____
Application supplements other entities' water rights for stockwatering, irrigation, etc _____

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Stockwatering:	From _____	to _____
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Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From May 1, 1988	to Apr 30, 1989

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
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Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc. _____

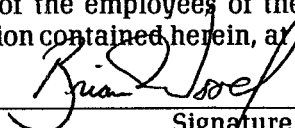
11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
North 2240' and East 950' from the SW corner of Sec. 13, T. 36 S., R. 23 E., SLBM at the Big Pony 1-13" oil well (NWSW 13-36s-23e); South 1750' and West 1275' from the NE corner of Sec. 5, T. 37 S., R. 23 E. at the Lucky Lynn oil well (SENE 5-37s-23e); and North 660' and West 1500' from the SE corner of Sec. 26, T. 36 S., R. 23 E. at the Mustang well (SWSE 26-36s-23e).
#4 SE SW 43-037-31405-01 #4

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2: Land is public (federal) and administered by Bureau of Land Management, Monticello, Utah. Recapture Reservoir is administered by the San Juan Water Conservancy District. Norman Nielson has approved this use.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).


Signature of Applicant(s)

TEMPORARY

STATE ENGINEER'S ENDORSEMENT


WATER RIGHT NUMBER: 09 - 1565

APPLICATION NO. T63122

1. March 10, 1988 Application received by MP.
 2. March 10, 1988 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-

Conditions:

This application is hereby APPROVED, dated March 25, 1988, subject to prior rights and this application will expire on March 25, 1989.


Robert L. Morgan, P.E.
State Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Samedan Oil Corporation (303) 534-0677

3. ADDRESS OF OPERATOR

1616 Glenarm Pl., Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

2240' FSL & 950' FWL (NWSW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 air miles ENE of Blanding, Utah

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

950'

16. NO. OF ACRES IN LEASE
720

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH
6,280' *ad*

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,041' ungraded ground

22. APPROX. DATE WORK WILL START*

May 1, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13-3/8"	48* (H-40, ST&C)	120'	100 sx or to surface
11"	8-5/8"	24* (K-55, ST&C)	2,100'	850 sx or to surface
7-7/8"	5-1/2"	15.5* (K-55 ST&C)	6,280'	550 sx or to 2,700'

TIGHT HOLE. PLEASE KEEP CONFIDENTIAL.

1. Lease is N2SE4 Section 11 and all of Section 13; both T. 36 S., R. 23 E.
2. Request exception to R615-3-2 because of geology. Exception is to Samedan's own quarter-quarter line, not to another well, nor to another lease.
- c) Orthodox well could be drilled at 1980' FSL & 660' FWL, but the well could be a dry hole. Thus, Samedan needs an exception.
- d) Request permission to drill at 2240' FSL & 950' FWL 13-36s-23e SLBM, San Juan County, Utah.
- e) No existing wells offset the proposed exception. Eight potential wells on the adjoining quarter-quarters could offset the proposed location, five would be on Samedan's lease.
- f) Samedan is the lessee of all lands within a 950' radius.
- g) Samedan is the lessee of all drilling units within a 950' radius.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Brian R. [Signature]

TITLE

Consultant

DATE

4-1-88

(This space for Federal or State office use)

PERMIT NO.

43-037-31404

APPROVAL DATE

EC: Brune (3), MDO (3), SJRA JDDGM (2)

OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE: 4-15-88

BY: John R. [Signature]

*See Instructions On Reverse Side

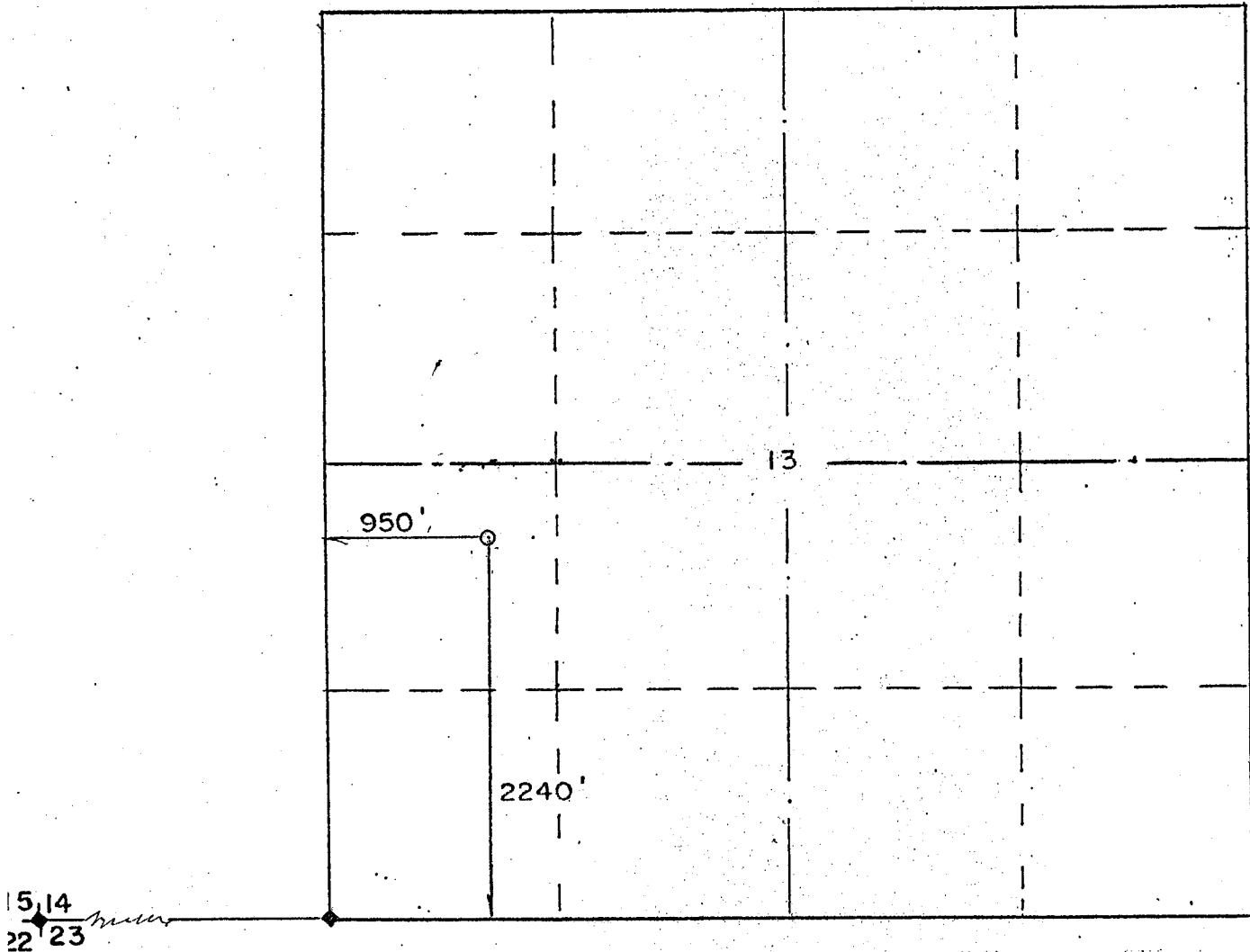
WELL SPACING: R615-3-3

WELL LOCATION AND ACREAGE DEDICATION PLAT

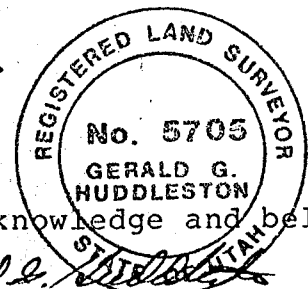
N



1"=1000'



WELL LOCATION DESCRIPTION:
 Samedan Oil, Big Pony 1-13
 2240'FSL & 950'FWL
 Section 13, T.36 S., R.23 E., SLM
 San Juan County, Utah
 6041'grd. elevation
 Reference: S69 03'E, 424' 6027'grd.



The above plat is true and correct to my knowledge and belief.

23 March 1988

Gerald G. Huddleston, LS

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 1

All lease operations will be conducted in full compliance with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas Order #1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. Samedan Oil Corporation will furnish a copy of these conditions to its field representative to assure compliance.

8 Point Drilling Program

1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>Depth from GL*</u>	<u>Depth from KB</u>	<u>Subsea Depth</u>
Morrison	000'	12'	+6,041'
Entrada Ss	1,050'	1,062'	+4,991'
Navajo Ss	1,150'	1,162'	+4,891'
Kayenta	1,500'	1,612'	+4,541'
Chinle	2,000'	2,012'	+4,041'
Moenkopi	2,750'	2,762'	+3,291'
Cutler	2,900'	2,912'	+3,141'
Hermosa	4,800'	4,812'	+1,241'
Upper Ismay	5,900'	5,912'	+ 141'
Lower Ismay	6,060'	6,072'	- 19'
Desert Creek	6,140'	6,152'	- 99'
Akah Shale	6,240'	6,252'	- 199'
Total Depth (TD)	6,280'	6,292'	- 239'

* Ungraded ground level.

2. NOTABLE ZONES

The estimated formation top depths from ungraded GL at which water, oil,

**Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 2

gas, or other mineral bearing zones may be encountered are:

Possible Fresh Water Zones

Entrada: 1,050'

Navajo: 1,150'

Possible Uranium Zones

Morrison: 000'

Chinle: 2,000'

Possible Oil & Gas Zones

Upper Ismay: 5,900'

Desert Creek: 6,140'

Water bearing zones will be protected with weighted mud. All fresh water encountered during drilling will be recorded by depth, cased, and cemented. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL (Also see "5." on PAGE 4)

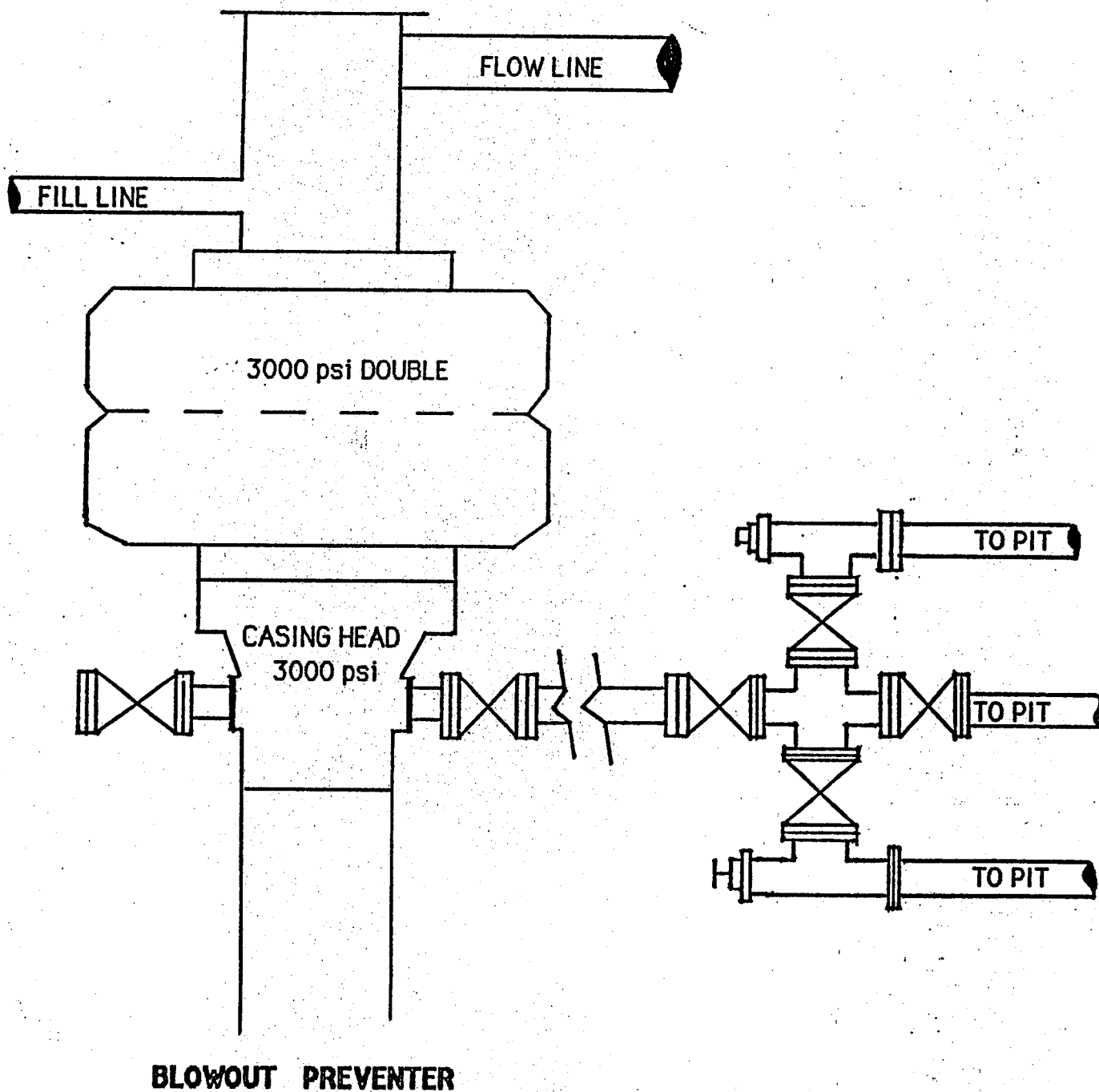
BOP systems will be consistent with API RP 53. An 11" 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used from the bottom of the surface casing (2,100') to T.D. (6,280'). A typical example of a 3,000 psi BOP is on Page 3. The actual model will not be known until the bid is let.

BOPs will be nipped up when intermediate casing is set. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. BOP controls will be installed before drilling the surface casing plug, and will stay in use until the well is completed or abandoned. Preventers will be pressure tested before drilling casing cement plugs. All BOP mechanical and pressure tests will be recorded on the drillers log.

BOPs will be inspected and operated at least daily to assure good mechanical working order. The inspection will be recorded on the daily drilling report.

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 3



Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 4

4. CASING & CEMENTING

<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>Age</u>	<u>Setting Depth (GL)</u>
16"	13-3/8"	48*	H-40	ST&C	New	0'-120'
11"	8-5/8"	24*	K-55	ST&C	New	0'-2,100'
7-7/8"	5-1/2"	15.5*	K-55	ST&C	New	0'-6,280'

Conductor Pipe (0'-120'): Cement to surface with \approx 100 sx standard cement.

Surface Casing (0'-2,100'): Cement to surface with \approx 850 sx "Neat" (tail) and "Light" (lead).

Production Casing (0'-6,280'): Cement from TD (6,280') to 2,700' in one stage with \approx 550 sx. "Neat" will be used across producing zones and casing shoe. "Light" will be used for the remainder of the string.

5. MUD PROGRAM

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0'-2,100'	Fresh water w/ floc & poly	8.3-8.7	26-29	NC
2,100'-5,300'	Fresh water w/ floc & poly	8.3-8.4	26-29	NC
5,300'-5,600'	Mud up as directed			
5,600'-6,280'	Fresh water polymer mud	8.8-9.2	34-40	<15 cc

6. CORING, TESTING, & LOGGING

No cores are planned. Cuttings will be collected every 30' from the surface to 4,300'. Cuttings will be collected every 10' from 4,300' to TD (6,280'). A two man mud logging unit will be on location from 4,600 to TD (6,280'). Drill stem tests may be run in the Upper Ismay and Desert Creek if good

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 5

shows are found. The following logs may be run:

TD (6,280') to Surface (000'): DLL/GR
T.D. (6,280') to 5,000': MSFL
TD (6,280') to 4,000': FDC/CNL/GR
TD (6,280') to 2,100': BHC Sonic/GR

Whether the well is completed as a dry hole or producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well, or after completion of operations being performed, *per* 43 CFR 3162.4-1. Two copies of all logs, core descriptions & analyses, well test data, geologic summaries, sample descriptions, and all other data obtained during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. (If requested, sample cuttings, fluids, and/or gases will be submitted to the District Manager.)

7. DOWNHOLE CONDITIONS

The maximum anticipated bottom hole pressure is 2,500 psi. No abnormal pressures, temperatures, or hydrogen sulfide are expected.

8. MISCELLANEOUS

The anticipated spud date is May 1, 1988. It is expected it will take 20 days to drill the well and 10 days to complete the well.

Samedan Oil Corporation, or its dirt contractor, will contact the Resource Area 48 hours before starting dirt work.

No location will be constructed or moved, no well will be plugged, and no

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 6

drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be phoned to the Resource Area, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5), reporting the spud date and time, will be sent to the District Manager within 24 hours after spudding. If the spud is on a weekend or holiday, the Sundry will be sent on the following regular work day.

Starting with the month in which operations begin, and continuing each month until the well is physically plugged and abandoned, a "Monthly Report of Operations" (Form 3160-6) will be sent to the District Manager.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual events will be promptly reported to the Resource Area *per* NTL-3A.

A Sundry Notice will be filed for prior approval of the District Manager if a replacement rig is planned for completion. All conditions of this approved plan apply to all operations of the replacement rig. In emergencies, verbal approval can be given by the District Manager.

If the well is successfully completed for production, then the District Manager will be notified. Written notification will be sent not later than 5 business days following the date on which the well is placed on production. The Resource Area will schedule a first production conference within 15 days after receipt of the first production notice.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Manager. This preliminary approval will not exceed 30 days or 50 MMcf of gas. Approval to vent/flare beyond this initial period will require the District Manager's approval *per* NTL-4A.

**Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 7

No well abandonment operations will begin without the prior approval of the District Manager. With a newly drilled dry hole, failure, or emergency, oral approval will be obtained from the District Manager. A Sundry Notice will be sent to the District Manager within 30 days following completion of the well for abandonment. The Sundry will note where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until reclamation required by the approved APD or abandonment notice has been completed to the satisfaction of the Area Manager.

Once plugged, a regulation dry hole marker will be erected. The following legend will be beaded on with a welding torch: Samedan Oil Corporation, Big Pony 1-13, NWSW 13-36s-23e, U-23253.

**Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 8

13 Point Surface Use Plan

1. EXISTING ROADS & DIRECTIONS (See PAGES 16-18)

From US 666 in Monticello, go south 11.6 mi. on US 191.
Then turn left and go southeast 2.9 mi. on gravel County Road #204 (Alkali Road).
Then turn left and go southeast 4.6 mi., still on gravel County Road #204.
Then turn left onto a dirt road and go northeast and north 1.7 mi. (Samedan is applying for a BLM right-of-way for the first 1.2 mi.)
Then turn left and go west 100 yards on a new road to the well.

Existing roads are federal, county, and BLM. Roads will be maintained to a standard at least equal to their present condition. No grade or alignment changes are needed since the road previously served as access to Skyline Oil dry holes in 13-36s-23e.

An application for an Encroachment Permit has been approved by the San Juan County Road Department.

2. ROADS TO BE UPGRADED AND BUILT (See PAGE 18)

The final 1.7 mi. of road will be flat bladed with a maximum disturbed width of 30'. A 40' long 24" diameter culvert, 16' wide cattleguard, and 400' of 3 strand barbed wire fence will be installed in SWNW 24-36s-23e. Wires will be 16", 26", and 38" above the ground. A 36" diameter 60' long culvert will be installed in NESW 13-36s-23e. The cattleguard and first culvert will be authorized by a BLM right-of-way. The last culvert is on-lease. Maximum cut or fill will be 6'. Maximum grade will be 11%. If the well is dry, then the 100 yards of new road will be reclaimed.

**Samedan Oil Corporation
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2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 9

Surface disturbance and vehicle travel will be limited to the approved location and road. Any additional area needed will be approved in advance by the Area Manager.

Access will be water barred or brought to Class 3 Road Standards within 60 days of dismantling the drill rig. If the deadline cannot be met, the Resource Area will be notified so temporary drainage control can be installed. Class 3 Road Standards control drainage by using topography, ditch turnouts, dips, outsloping, crowning, low water crossings, and culverts. Specific measures will be determined at a joint field inspection.

3. EXISTING WELLS

There are no water, producing, injection, or disposal wells within 1 mile.

4. PROPOSED PRODUCTION FACILITIES

The type and layout of the production facilities are not known now. A Sundry Notice will be submitted for approval before they are installed.

All permanent (on site for 6 or more months) surface facilities will be painted a flat, neutral, earthtone color. Painting will be completed within 6 months of installation. Parts required to comply with OSHA colors will be excluded.

The tank battery will be surrounded by a dike of sufficient capacity to contain 150% of the storage capacity of the largest tank in the battery. All loading lines will be placed inside the dike.

Site security regulations in 43 CFR 3162.7-4 will be obeyed. All product lines entering and leaving hydrocarbon storage tanks will be effectively

**Samedan Oil Corporation
Big Pony 1-13
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Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 10

sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease must have prior written approval from the District Manager.

Any gas meter run will be within 500' of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500' downstream of the meter and any production facilities. Meters will be housed and/or fenced.

Oil and gas measurement facilities will be installed on the well pad. Meters will be calibrated in place before delivery begins. Meter accuracy tests will be conducted monthly for the first 3 months on new meters, and at least quarterly thereafter. The Resource Area will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be sent to the Resource Area. All meters will conform with the API standards for liquid hydrocarbons and AGA standards for natural gas measurement.

If at any time these facilities located on public lands authorized by the terms of the lease are no longer included in the lease, the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation determined by the authorized officer.

5. WATER SUPPLY (See PAGE 16)

09-1565 Water will be trucked ≈11 miles from Recapture Reservoir on BLM administered land in SWSW Sec. 7, T. 36 S., R. 23 E.. An Application (T63122) to Appropriate Water has been approved by the State of Utah Div. of Water Rights. The water hauler will contract with the San Juan Water Conservancy District. This is casual use.

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 11

6. CONSTRUCTION MATERIALS

Pad construction materials will be on lease native soil in place on the well pad. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.1-3.

7. WASTE DISPOSAL

The reserve pit will be unlined. All but 10% of the capacity will be in cut.

The pit will be fenced on 3 sides with 4 strands of barbed wire or woven wire topped with barbed wire. The 4th side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries.

All trash will be placed in a portable trash cage. When full, it will be hauled to an approved landfill in Montezuma County, Colorado, or the Blanding dump. A burning permit is required for burning trash between May 1 and October 31. Call the San Juan County Sheriff at (801) 587-2237 for a burning permit. The road and pad will be kept litter free.

Human waste will be disposed of in 20' deep ratholes or chemical toilets. The ratholes will be immediately filled when the trailers are removed.

Produced water will be confined to the reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an NTL-2B application will be submitted for the District Manager's approval of a permanent disposal method and site.

8. ANCILLARY FACILITIES

There will be no airstrip or formal camp. Three camper trailers may be on site for the company man, mud logger, and tool pusher.

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 12

9. WELL SITE LAYOUT

See PAGES 19-21 for depictions of the well pad, cross sections, cut and fill diagrams, reserve pit, burn pit, access road onto the pad, parking, living facilities, and rig orientation. The top 6" of topsoil will be saved. Trees and brush will be stockpiled separate from the topsoil.

10. RECLAMATION

Immediately upon completion of drilling, all trash and debris will be collected from the pad and surrounding area and placed in the trash cage.

Samedan's dirt contractor will call the Resource Area 48 hours before starting reclamation that involves earth moving equipment, and upon completion of reclamation. The reserve pit must be completely dry before it is backfilled.

All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts. All disturbed areas will be ripped 6" deep and 18" apart with the contour. Seed will be broadcast between October 1 and February 28 as follows:

<u>Species</u>	<u>Rate (pounds/acre)</u>
Crested wheatgrass (<i>Agropyron desertorum</i>)	10
Four-wing saltbush (<i>Atriplex canescens</i>)	3

After seeding is complete, stockpiled trees and brush will be scattered evenly over the disturbed area.

The reserve pit and that part of the pad not needed for production will be reclaimed as previously described.

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 13

11. SURFACE OWNER

Owner of the pad and upgraded and new road is the U.S. Government, administered by the Bureau of Land Management. Part of the road (NESE & SENE 23-36s-23e and S2NW & NENW 24-36s-23e) under BLM's jurisdiction will be authorized by a right-of-way. The remainder of the road is on lease and will be authorized by this APD.

12. OTHER INFORMATION

The dirt contractor will be provided with an approved copy of the surface use plan.

There will be no change from the proposed drilling and/or workover plan without prior approval from the District Manager. A Sundry Notice will be filed for approval for all changes of plans and other operations *per* 43 CFR 3162.3-2.

Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified *per* 43 CFR 3162.3-2.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the Resource Area will be called. Anyone disturbing archaeological sites or collecting artifacts, including arrowheads, is subject to prosecution.

This permit will be valid for one year from the date of approval. After it expires, a new application will be filed for approval of any future operations.

The District Office's mailing address is P.O. Box 970, Moab, Utah 84532.

**Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah**

PAGE 14

The phone number is (801) 259-6111.

The Resource Area's mailing address is P.O. Box 7, Monticello, Utah 84535.
The phone number is (801) 587-2141.

The nearest hospital is a 40 minute drive to Monticello, Utah. It is 3 blocks northwest of the intersection of US 666 and US 191. Phone number is (801) 587-2116. The nearest medically equipped helicopter is in Grand Junction, Colorado, at St. Mary's Hospital. Call (303) 244-2550.

13. REPRESENTATION AND CERTIFICATION

Anyone having questions concerning the APD should contact:

Brian Wood
Permits West, Inc.
37 Verano Loop
Santa Fe, NM 87505
(505) 984-8120

The field representative for Samedan Oil Corporation will be:

Gary Brune, Division Production Superintendent
Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Co. 80202-4371
(303) 534-0677

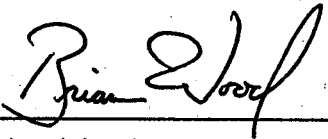
Home: (303) 779-5194

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 15

CERTIFICATION

I hereby certify that I have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Samedan Oil Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

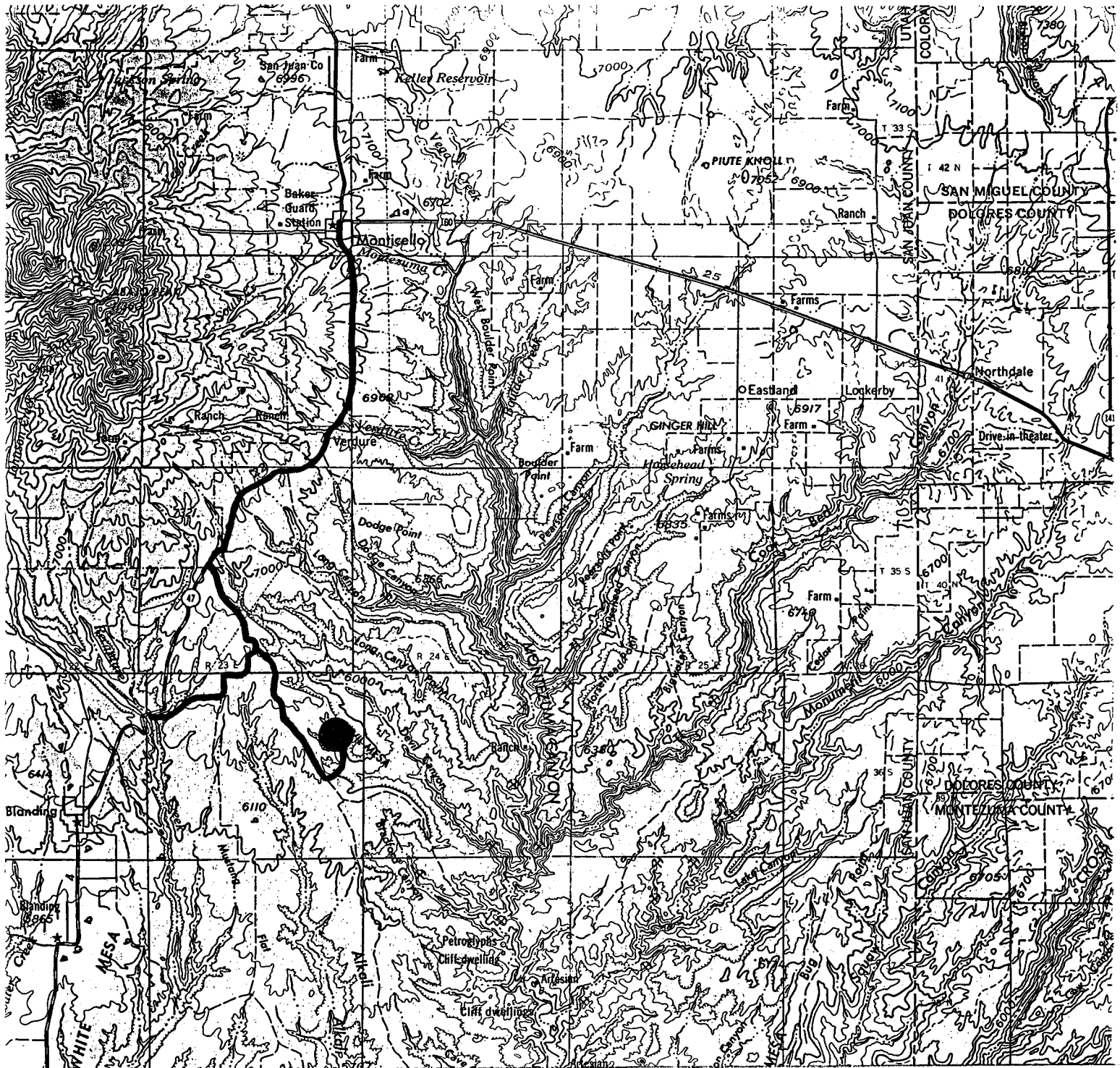


Brian Wood

April 1, 1988
Date

Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 16

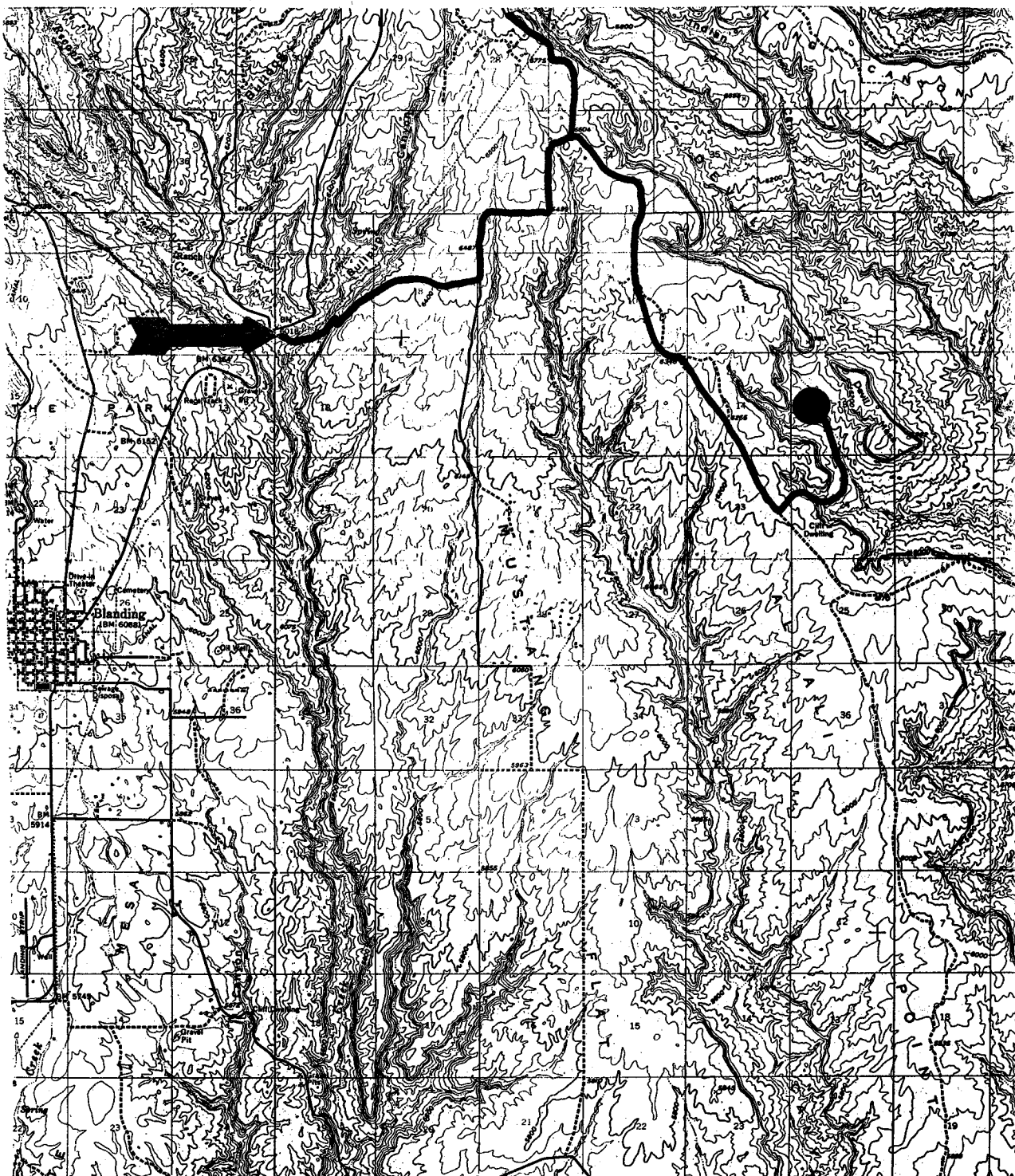


PROPOSED WELL: ●

ACCESS ROUTE: ~

PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

PAGE 17



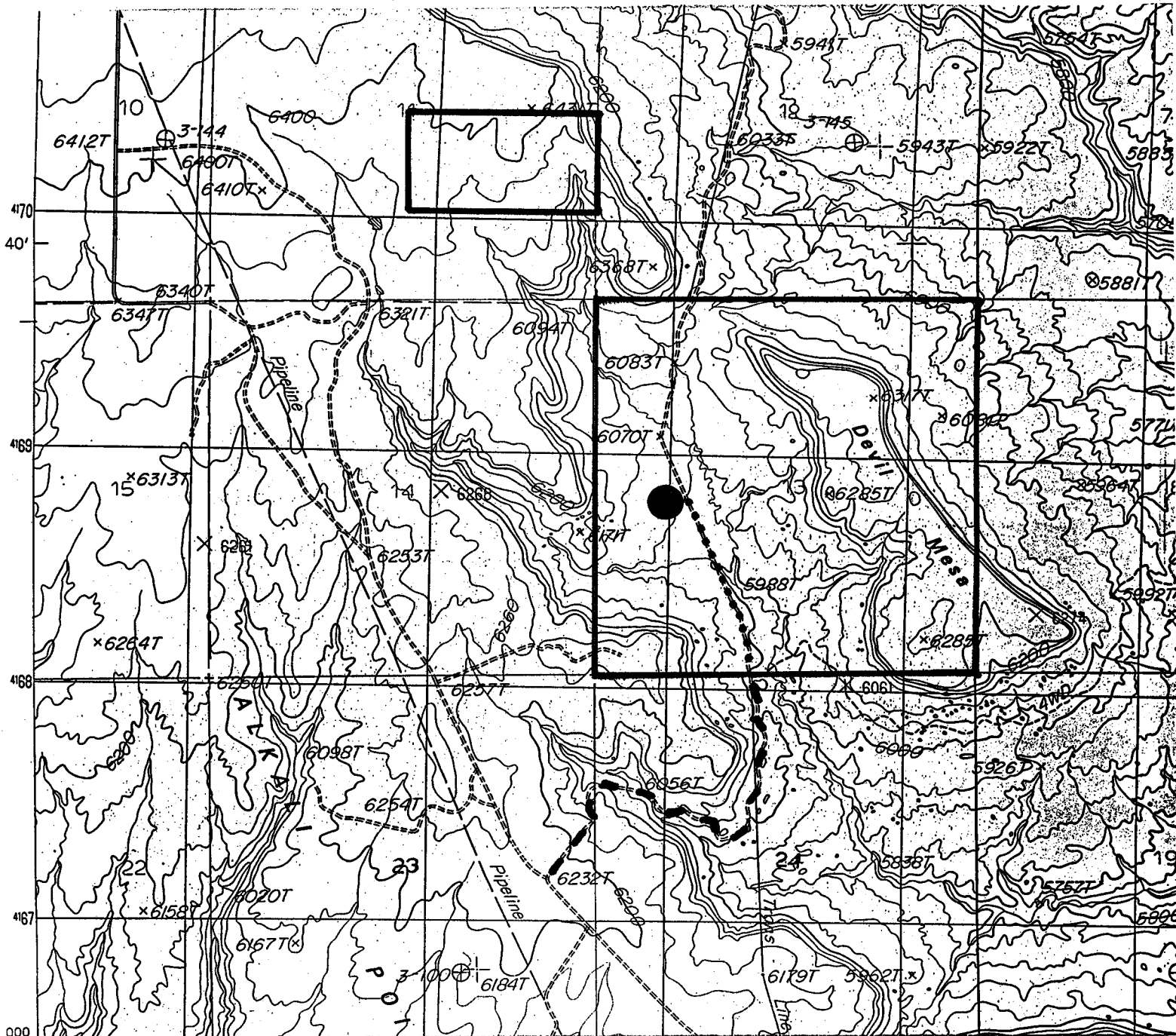
WATER SOURCE:




PERMITS WEST, INC.
PROVIDING PERMITS for the ENERGY INDUSTRY

Samedan Oil Corporation
 Big Pony 1-13
 2240' FSL & 950' FWL
 Sec. 13, T. 36 S., R. 23 E.
 San Juan County, Utah

PAGE 18



PROPOSED WELL: ●

LEASE U-23523: 

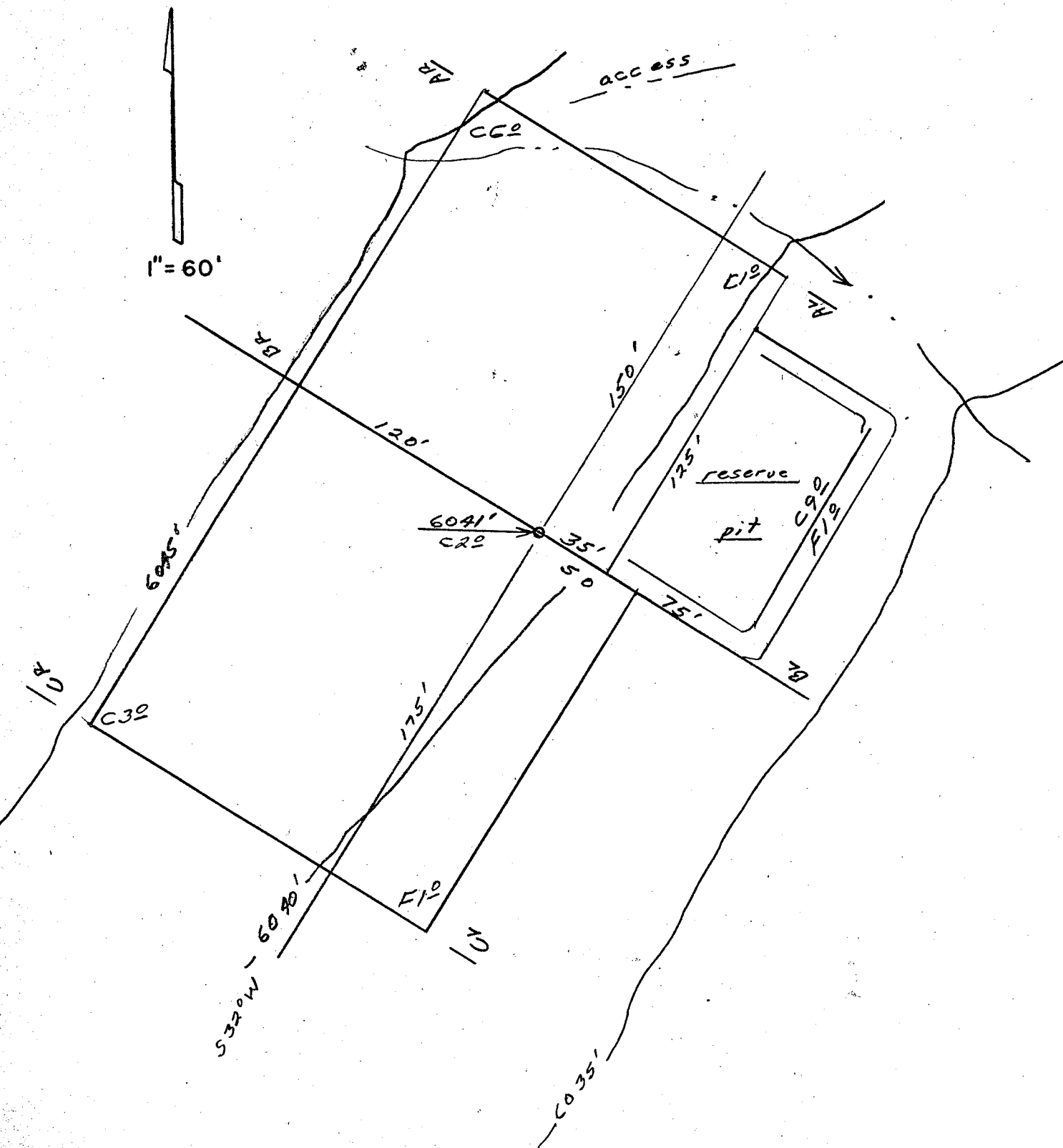
RIGHT-OF-WAY: - - -



LEASE ROAD: ...

PERMITS WEST, INC.
 PROVIDING PERMITS for the ENERGY INDUSTRY

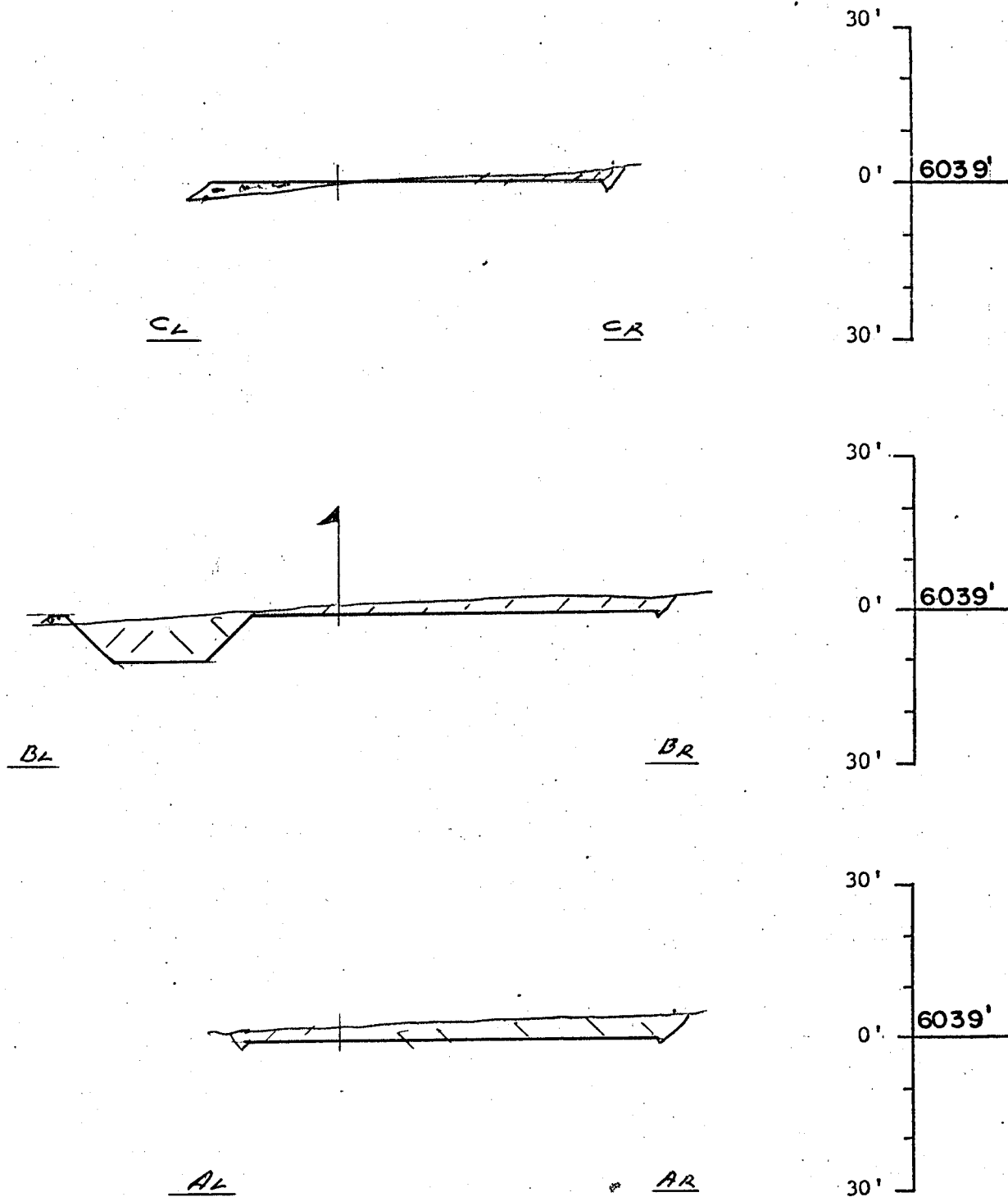
WELL PAD PLAN VIEW

Well Big Pony 1-13



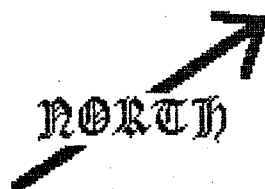
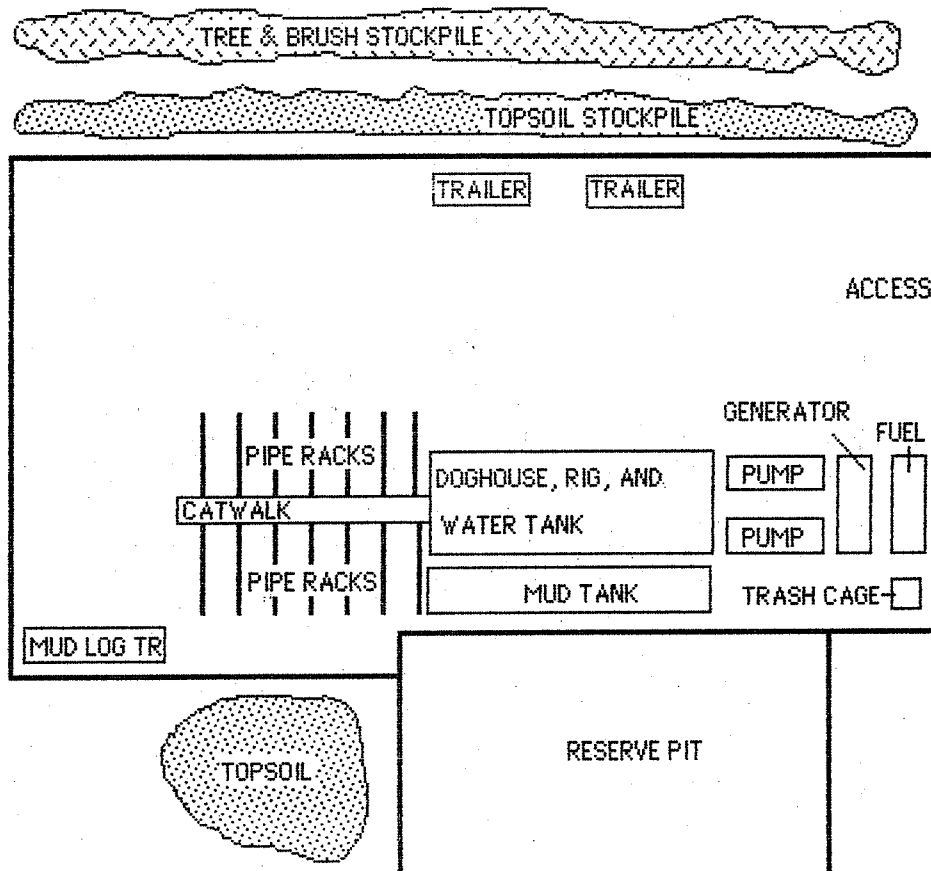
Cut 
Fill 

Scales: 1" = 60' H.
1" = 30' V.



Samedan Oil Corporation
Big Pony 1-13
2240' FSL & 950' FWL
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah

PAGE 21



CONFIDENTIAL

OPERATOR Samedan Oil Corp DATE 4-11-88

WELL NAME Big Pony 1-13

SEC NW SW 13 T 36 S R 23 E COUNTY San Juan

43-037-31404

API NUMBER

Ind.

TYPE OF LEASE

CHECK OFF:

☒ PLAT

☒ BOND

☒ NEAREST
WELL

☒ LEASE

☒ FIELD

☒ POTASH OR
OIL SHALE

PROCESSING COMMENTS:

no other well in Sec. 13
water ok #09-1565 (T63122)
Btm rescinded the original APD dated 5-2-88 and re-approved 8-10-89.
The Division is not going to rescind - extension granted 7-18-89.
(Now a Unit Well)

APPROVAL LETTER:

SPACING: ☒ R615-2-3

DOS PONIES ^{eff. 6-29-89}
UNIT

☐ R615-3-2

☐

CAUSE NO. & DATE

☒ R615-3-3

STIPULATIONS:

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-13-90



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 15, 1988

Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Colorado 80202

Gentlemen:

Re: Big Pony 1-13 - NW SW Sec. 13, T. 36S, R. 23E
2240' FSL, 950' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations.

Page 2
Samedan Oil Corporation
Big Pony 1-13
April 15, 1988

A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31404.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

CONFIDENTIAL

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

DIVISION OF
OIL, GAS & MINING

SINGLE
ZONE ☐

MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

Samedan Oil Corporation (303) 534-0677

3. ADDRESS OF OPERATOR

1616 Glenarm Pl., Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2240' FSL & 950' FWL (NWSW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 air miles ENE of Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

950'

16. NO. OF ACRES IN LEASE

720

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

6,280'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,041' ungraded ground

22. APPROX. DATE WORK WILL START*

May 1, 1988

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13-3/8"	48* (H-40, ST&C)	120'	100 sx or to surface
11"	8-5/8"	24* (K-55, ST&C)	2,100'	850 sx or to surface
7-7/8"	5-1/2"	15.5* (K-55 ST&C)	6,280'	550 sx or to 2,700'

43-037-31404

IN ROUTE OF PROPOSED DEEPEN OR PLUG BACK, IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. IF PROPOSAL IS TO DRILL OR DEEPEN DIRECTIONALLY, GIVE PERTINENT DATA ON SUBSURFACE LOCATIONS AND MEASURED AND TRUE VERTICAL DEPTHS. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

24.

SIGNED

Brian R. ...

TITLE

Consultant

DATE

4-1-88

(This space for Federal or State office use)

PERMIT NO.

/S/ GENE NODINE

APPROVAL DATE

cc: Bruns (3), MDO (3), SJRA, UDOGM (2)

APPROVED BY

TITLE

DISTRICT MANAGER

DATE

MAY 02 1988

CONDITIONS OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

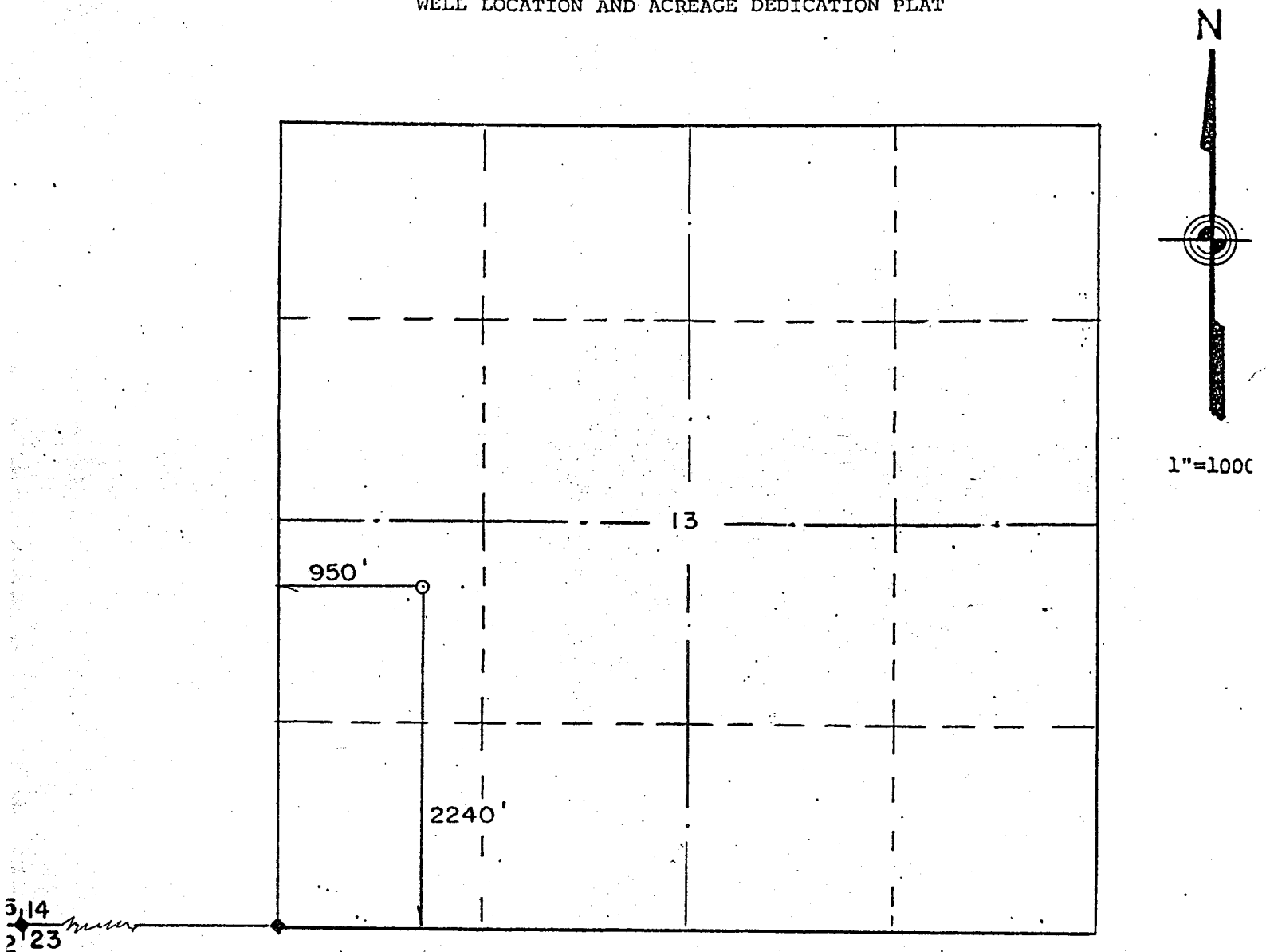
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

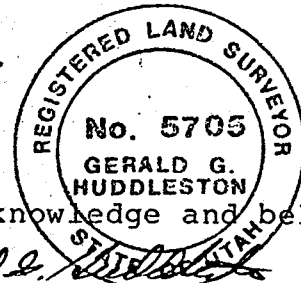
STATE OF UTAH-DOGM

SUBJECT TO RIGHT OF
APPROVAL

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:
Samedan Oil, Big Pony 1-13
2240'FSL & 950'FWL
Section 13, T.36 S., R.23 E., SLM
San Juan County, Utah
6041'grd. elevation
Reference: S69 03'E, 424' 6027'grd.



The above plat is true and correct to my knowledge and belief.

23 March 1988

Gerald G. Huddleston, LS

Samedan Oil Corporation
Well No. Big Pony 1-13
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah
Lease U-23523

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Samedan Oil Corporation is the bonded entity on this application. Liability will remain with the bonded party named until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

B. THIRTEEN-POINT SURFACE USE PLAN

1. A BLM approved archaeologist will monitor initial blading of the well pad.
2. All persons in the area who are associated with the project will be informed by the operator that they will be subject to prosecution for disturbing archaeological sites or collecting artifacts. If subsurface cultural material is exposed during construction, work at that spot will stop immediately and the Bureau of Land Management, San Juan Resource Area office will be contacted (801) 587-2141. The operator will be responsible for the cost of evaluation of the discovery and proper mitigation measures. Any decision as to proper mitigation shall be made by the authorized officer after consulting with the operator.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRII
(Other instruction
verse side)

Form approved,
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U-23523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Big Pony

9. WELL NO.

1-13

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

13-36s-23e SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug
Use "APPLICATION FOR PERMIT" for such purposes.)

RECEIVED
JUN 27 1988

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Samedan Oil Corporation

(303) 534-0677

DIVISION OF
OIL, GAS & MINING

3. ADDRESS OF OPERATOR

1616 Glenarm Pl., Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

Surface: 2240' FSL & 950' FWL (NWSW)

Bottom: Same

14. PERMIT NO.

43-037-31404

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,041' 6R

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.)*

Will delete conductor pipe from drilling program.

CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Consultant

DATE

6-25-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Brune, MDO (3), SJRA, UDOGM (2)

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLY
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-23523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Dos Ponies

8. FARM OR LEASE NAME

Big Pony

9. WELL NO.

1-13

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

13-36s-23e SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug back a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Samedon Oil Corporation

(303) 534-0677

DIVISION OF
GAS & MINING

3. ADDRESS OF OPERATOR

1616 Glenarm Place, Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly, and in accordance with any State requirements.
See also space 17 below.)
At surface

Surface: 2240' FSL & 950' FWL (NWSW) Bottom: Same

14. PERMIT NO.

43-037-31404

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,041' ungraded ground

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Renew APD Approval

PLEASE POST AT ONCE.

Wish to spud immediately upon approval.

Request APD submitted on 4-1-88 and Sundry submitted on 6-25-88 be reapproved. No change from APD and Sundry, except that the well is now in the Dos Ponies Unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Consultant

DATE

7-10-89

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

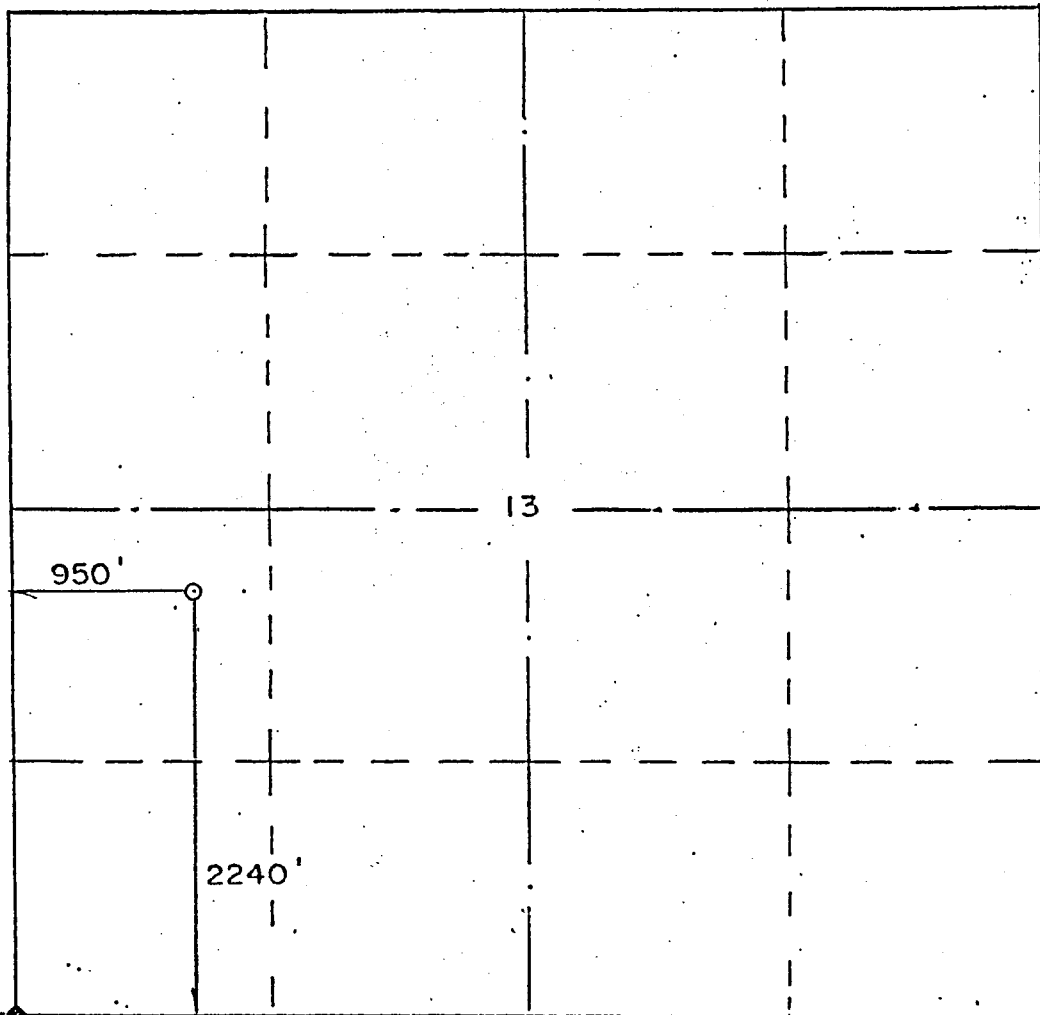
APPROVED BY THE STATE
cc: Brune (3), MBO (3), SURV, UDGM (2) OF
UTAH DIV. OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 7-13-89

BY: John R. Baya

WELL LOCATION AND ACREAGE DEDICATION PLAT



WELL LOCATION DESCRIPTION:
 Samedan Oil, Big Pony 1-13
 2240' FSL & 950' FWL
 Section 13, T.36 S., R.23 E., SLM
 San Juan County, Utah
 6041' grd. elevation
 Reference: S69 03'E, 424' 6027' grd.



The above plat is true and correct to my knowledge and belief.

23 March 1988

Gerald G. Huddleston, LS

Samedan Oil Corporation
Well No. Big Pony 1-13
NWSW Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah
Lease U-23523

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Samedan Oil Corporation is considered to be the operator of the above well, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by NM0484 (Principal - Samedan Oil Corp.) \$150,000 as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, Onshore Oil and Gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

1. If unconsolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.
2. Surface casing will be set 50 feet into the Chinle Formation regardless of the depth the Chinle is encountered.

CONDITIONS FOR APPROVAL
FOR SURFACE USE

1. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
2. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
3. The newly constructed access road will be rehabilitated or the entire access be brought to (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. This includes crowning, ditching, and rock surfacing. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.
4. All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. The preferred color is juniper green.
5. All loading lines and valves will be placed inside the berm surrounding the tank battery.
6. All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO. 3; SITE SECURITY will be adhered to.
7. Gas measurement will be conducted in accordance with the ONSHORE OIL AND GAS ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.
8. Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4; OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.
9. All trash must be hauled to a landfill.
10. If burning is required, a permit will be obtained from the San Juan County Sheriff's Office. This APD approval serves as a variance to the State of Utah fire closure #04-00-17 (enclosed) but subjects you to the following:
 - A. The operator will be responsible for all fire suppression costs that result directly or indirectly as a result of their operation. Immediate suppression action will commence on the discovery of a fire and the authorized officer notified as soon as possible. Suppression costs will include not only the cost incurred by the operator, but also costs to the Bureau of Land Management for their efforts.
 - B. All vehicles and equipment operating in the field shall be equipped with a minimum of one fire extinguisher and adequate fire fighting equipment (i.e. shovels, swatters, pulaski, etc.) to equip each crew member with at least one tool.

11. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned and/or separate facilities, will be identified in accordance with 43 CFR 3162.6.
12. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.6.
13. The dirt contractor will be provided with an approved copy of the surface use plan.
14. All persons in the area who are associated with the project will be informed by the holder/operator that they will be subject to prosecution for disturbing archaeological sites or paleontological sites, or collecting artifacts or fossils.
15. Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.
16. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
17. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer.
18. The top 12 inches of topsoil would be stockpiled (separate from the associated vegetation on the north and south ends of the location).
19. The area would be seeded between October 1 and February 28 with:

4 lbs/ac	crested wheatgrass
2 lb/ac	Indian ricegrass
1 lb/ac	fourwing saltbush
1 lb/ac	alkali sacaton
1 lb/ac	wild sunflower
1 lb/ac	yellow sweet clover

After seeding the stockpiled trees will be scattered evenly over the disturbed area and the access blocked.

CONDITIONS OF APPROVAL
FOR SURFACE USE

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 - A. The operator will be responsible for all fire suppression costs that result directly or indirectly as a result of their operation. Immediate suppression action will commence on the discovery of a fire and the authorized officer notified as soon as possible. Suppression costs will include not only the cost incurred by the operator, but also costs to the Bureau of Land Management for their efforts.
 - B. All vehicles and equipment operating in the field shall be equipped with a minimum of one fire extinguisher and adequate fire fighting equipment (i.e. shovels, swatters, pulaski, etc.) to equip each crew member with at least one tool.

SPECIAL ORDER
STATE II FIRE RESTRICTIONS

STATE OF UTAH

Pursuant to 36 CFR 261.50(a) and/or (b); 43CFR 9212.2 and 65A8-11 S& 12, as amended 1988; the following acts are prohibited on the area, roads, and trails described below until rescinded by the Regional Forester of the U. S. Forest Service, the State Director of the Bureau of Land Management, and the Utah State Forester,

1. Building, maintaining, attending, or using a fire or campfires (36 CFR 2612.52(a)). Please see exhibit A attached.

Pursuant to the governing rules of each agency the following persons are exempt from this part of the order:

- a. Persons within developed and/or designated recreation sites.
 - b. Persons with a campfire permit authorizing the otherwise prohibited act.
 - c. Cooking fires utilizing bottled or containerized fuels, (stove fire) are allowed outside of developed or designated recreation sites.
 - d. Areas designated as safe and identified as such in writing by the appropriate unit manager.
2. Smoking, except within an enclosed vehicle or building, a developed recreation site, or while stopped in an area at least three feet in diameter that is barren or cleared of all flammable material. Please see Exhibit A attached.

The following acts are prohibited from 1:00 p.m. to 1:00 a.m.:

3. Operating a chain saw for any purpose.
4. Operating motorized equipment off roads and trails.
5. Blasting, welding, or other activities which generate flame or flammable material.

The following persons are exempt from parts 1, 3, 4, and 5 of the order:

- a. Those persons with a permit authorizing the otherwise prohibited act, or in those areas authorized by written posted notice in the area of operation. Permits may be obtained from the responsible agency office.

1989 JUL 19 PM 2:10

SPECIAL ORDER
STATE II FIRE RESTRICTION -- STATE OF UTAH
PAGE 2

- b. Any Federal, State, or local officer or member of an organized rescue or firefighting force in the performance of an official duty.

AREA DESCRIBED:

All National Forest lands, all Bureau of Land Management lands and all State or privately owned wildlands within the State of Utah.

Dated this 10th day of July, 1989.

Signed by Clair C. Beasley
for REGIONAL FORESTER
U.S. FOREST SERVICE

Signed by James M. Parker
STATE DIRECTOR
BUREAU OF LAND MANAGEMENT

Signed by Richard P. Kleason
STATE FORESTER
STATE OF UTAH

Violation of the above prohibited acts is punishable by a fine of not more than \$500 and/or imprisonment for not more than six months (16 USC 551) and/or appropriate State laws.

EXHIBIT A

Definitions

- CAMPFIRE:** Means a fire, not within any building, mobile home or living accommodation mounted on a vehicle, which is used for cooking, personal warmth, lighting, ceremonial, or esthetic purposes. Campfires are open fires, usually built on the ground, from native forest fuels or charcoal.
- STOVE FIRE:** Means a fire built inside an enclosed stove or a pressurized liquid or gas stove, including a space heating device.
- DEVELOPED/
DESIGNATED
RECREATION
SITE:** Means an area which has been improved or developed for recreation by the governing agencies.
- CHAINSAWS:** A saw powered by an internal combustion engine, with cutting teeth linked in an endless chain.
- DESIGNATED
AREA:** A geographic area defined by the responsible land management agency in which a specific land use activity is occurring.
- PERMIT:** The only acceptable permit is a written one, authorizing the otherwise prohibited act, and issued by an authorized agency representative.

UT060 for UT069 14:31 MDT 13-Jul-89 Message 592-2409 [1]

B. Additional Requirements According To Onshore Oil and Gas Order No. 2

- 3000 psi BOP & BOPE:

Annular preventer

Pipe ram, blind ram, and if conditions warrant, another pipe ram shall also be required,

A second pipe ram preventer or variable bore pipe ram preventer shall be used with a tapered drill string,

Drilling spool, or blowout preventer with 2 side outlets (choke side shall be a 3-inch minimum diameter, kill side shall be at least 2-inch diameter)

A minimum of 2 choke line valves (3-inch minimum),

Kill line (2-inch minimum)

3 inch diameter choke line,

2 kill line valves, one of which shall be a check valve (2 inch minimum),

2 chokes (refer to diagram in Attachment 1)

Pressure gauge on choke manifold

Upper kelly cock valve with handle available,

Safety valve and subs to fit all drill strings in use,

All BOPE connections subjected to well pressure shall be flanged, welded, or clamped,

Fill-up line above the uppermost preventer,

- If repair or replacement of the BOPE is required after testing, this work shall be performed prior to drilling out the casing shoe, and
- When the BOPE cannot function to secure the hole, the hole shall be secured using cement, retrievable packer or bridge plug packer, bridge plug or other acceptable approved methods to assure safe well conditions.

- Choke Manifold Equipment:

All choke lines shall be straight lines unless turns use tee blocks or are targeted with running tees, and shall be anchored to prevent whip and reduce vibration.

All valves (except chokes) in the kill line, choke manifold and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

- 3000 psi system - Accumulator Equipment:

Accumulator shall have sufficient capacity to open the hydraulically controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps. This is a minimum requirement. The fluid reservoir capacity shall be double the accumulator capacity and fluid level maintained at manufacturer's recommendations. The 3M system shall have 2 independent power sources to close the preventers. Nitrogen bottles (3 minimum) may be 1 of the independent power sources and, if so, shall maintain a charge equal to the manufacturer's specifications.

Accumulator precharge pressure test: This test shall be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months. The accumulator pressure shall be corrected if the measure precharge pressure is found to be above or below the maximum limit specified within Onshore Order Number 2.

Power for the closing unit pumps shall be available to the unit at all times so that the pumps shall automatically start when the closing unit manifold pressure has decreased to a pre-set level.

Each BOP closing unit shall be equipped with sufficient number and sizes of pumps so that, with the accumulator system isolated from service, the pumps shall be capable of opening the hydraulically-operated gate valve (if so equipped), plus closing the annular preventer on the smallest size drill pipe to be used within 2 minutes, and obtain a minimum of 200 psi. above specified accumulator precharge pressure.

A manual locking device (i.e., hand wheels) or automatic locking devices shall be installed on all systems of 2M or greater. A valve shall be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems shall be capable of closing all preventers.

- BOP Testing:

Pressure tests on ram type preventers shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed off of pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test of BOP stack.

Annular BOP pressure tests shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above tests shall be performed:

- **When initially installed;

- **Whenever any seal subject to test pressure is broken;

- **Following related repairs; and

- **At 30 day intervals.

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s), the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly. Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

- Casing and Cementing:

All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

All casing, except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.

All of the above described tests shall be recorded in the drilling log.

All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.

Surface casing shall have centralizers on at least the bottom three joints depending on severity of hole inclination.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method., etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

- Mud Program Requirements:

The characteristics, use and testing of drilling mud and the implementation of related drilling procedures shall be designed to prevent the loss of well control. Sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring well control.

- Record slow pump speed on daily drilling report after mudding up.

- Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume.

-A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.

-All flare systems shall be designed to gather and burn all gas. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where non-combustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare.

- Drill Stem Testing Requirements:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

-A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions, or displaced into the formation prior to pulling the test tool. This would involve providing some means for reverse circulation.

-Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

-All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- Special Drilling Operations:

In addition to the equipment already specified elsewhere in Onshore Order No. 2 , the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head;
- Spark arresters on engines or water cooled exhaust;
- Blooie line discharge 100 feet from well bore and securely anchored;
- Straight run on blooie line unless otherwise approved;
- Deduster equipment;
- All cuttings and circulating medium shall be directed into a reserve or blooie pit;
- Float valve above bit;
- Automatic igniter or continuous pilot light on the blooie line;
- Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore;
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits.

NOTIFICATIONS

Notify Mike Wade of the San Juan Resource Area, at
(801) 587-2141 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

1 day prior to running and cementing surface casing;

1 day prior to pressure testing of surface casing.

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following:

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS.

JUL 20 1989

FILING FOR WATER IN THE STATE OF UTAH

RECEIVED

JUL 17 1989

Rec. by UP
 Fee Rec. 30.00
 Receipt # 26608
 Microfilmed _____
 Roll # _____

WATER RIGHTS

TEMPORARY
 RECEIVED
 JUL 26 1989

APPLICATION TO APPROPRIATE WATER

DIVISION OF
WATER RIGHTS
 For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

* WATER RIGHT NO. 09 — 1648* APPLICATION NO. A T640941. *PRIORITY OF RIGHT: July 17, 1989 * FILING DATE: July 17, 1989

2. OWNER INFORMATION

Name(s): Samedan Oil Corporation c/o Permits West, Inc. * Interest: 100 %
 Address: 37 Verano Loop (505) 984-8120
 City: Santa Fe State: NM Zip Code: 87505
 Is the land owned by the applicant? Yes _____ No XXX

(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: _____ cfs and/or Two ac-ft4. SOURCE: Recapture Creek * DRAINAGE: _____

which is tributary to San Juan River
 which is tributary to Colorado River

POINT(S) OF DIVERSION: _____ COUNTY: San Juan
North 1100 feet and East 200 feet from the SW corner of Sec. 7, T. 36 S., R. 23 E., SLBM

Description of Diverting Works: Water will be pumped directly into 85 bbl tank trucks.
 * COMMON DESCRIPTION: 3½ miles NE of Blanding Blanding Quad

5. POINT(S) OF REDIVERSION

The water will be rediverted from N/A at a point: _____

Description of Rediverting Works: _____

6. POINT(S) OF RETURN

The amount of water consumed will be _____ cfs or 2.0 ac-ft
 The amount of water returned will be _____ cfs or _____ ac-ft
 The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE

Reservoir Name: _____ N/A Storage Period: from _____ to _____
 Capacity: _____ ac-ft. Inundated Area: _____ acres
 Height of dam: _____ feet
 Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8. List any other water rights which will supplement this application _____
Application supplements other entities' water rights for stockwatering, irrigation, etc.

9. NATURE AND PERIOD OF USE

Irrigation:	From _____ to _____
Stockwatering:	From _____ to _____
Domestic:	From _____ to _____
Municipal:	From _____ to _____
Mining:	From _____ to _____
Power:	From _____ to _____
Other:	From <u>August 15, 1989</u> to <u>August 14, 1990</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Water will be used for oil well drilling mud, dust control, compaction, etc.

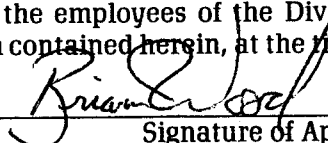
11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
North 2240' and East 950' from the SW corner of Sec. 13, T. 36 S., R. 23 E., SLBM at the Big Pony 1-13
oil well (NWSW 13-36s-23e) on BLM land.

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary): From #2: Land is public (federal) and administered by the Bureau of
Land Management, Monticello, Ut. Lake is administered by the San Juan Conservancy District. Norman
Nielson has approved this use. This a renewal of temporary water right 09-1565 and application T63122.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).


Signature of Applicant(s)

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

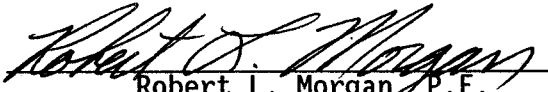
WATER RIGHT NUMBER: 09 - 1648

APPLICATION NO. T64094

1. July 17, 1989 Application received by MP.
 2. July 18, 1989 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated July 25, 1989, subject to prior rights and this application will expire on July 25, 1990.


Robert L. Morgan, P.E.
State Engineer

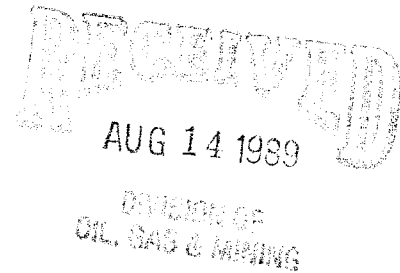
3162 (U-065)
(U-23523)

Moab District
P. O. Box 970
Moab, Utah 84532

AUG 10 1989

Samedan Oil Corporation
1616 Glenarm Place, Suite 2550
Denver, Colorado 80202

Re: Sundry Notice for Re-Approval
Well No. Big Pony 1-13
Sec. 13, T. 36 S., R. 23 E.
San Juan County, Utah
Lease U-23523



Gentlemen:

The above referenced Sundry Notice for Re-Approval was received July 12, 1989 and is hereby approved and enclosed.

Also, enclosed is a copy of the expired APD previously approved May 2, 1988. If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely yours,

/s/ Gene Nodine

District Manager

Enclosures:
As Stated Above

cc: SORA (w/copy of approved SN)
State of Utah, DOGM (w/copy of Approved SN) ✓
Brian Wood, Permits West (w/copy of approved SN)

bcc: USG, U-942 (w/o encl.)
VBUTTS:vb:8/9/89

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved
Budget Bureau No. 1004-013
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-23523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Dos Ponies

8. FARM OR LEASE NAME

Big Pony

9. WELL NO.

1-13

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

13-36s-23e SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Samedan Oil Corporation (303) 534-0677

3. ADDRESS OF OPERATOR

1616 Glenarm Place, Suite 2550, Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

Surface: 2240' FSL @ 950' FWL (NWSW) Bottom: Same

14. PERMIT NO.

43-037-31404

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6,041' ungraded ground

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Renew APD Approval ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE POST AT ONCE.

Wish to spud immediately upon approval.

Request APD submitted on 4-1-88 and Sundry submitted on 6-25-88 be reapproved. No change from APD and Sundry, except that the well is now in the Dos Ponies Unit.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Consultant

DATE

7-10-89

(This space for Federal or State office use)
/s/ Gene Rodine

DISTRICT MANAGER

AUG 10 1989

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Brune (3), MDO (3), SJRA, UDOGM (2)

**FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A**

Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

***See Instructions on Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Docm

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API NO. 43-037-31404

NAME OF COMPANY: SAMEDAN OIL COMPANY

WELL NAME: BIG PONY 1-13

SECTION NWSW 13 TOWNSHIP 36S RANGE 23E COUNTY SAN JUAN

DRILLING CONTRACTOR EXETER

RIG # 68

SPODDED: DATE 8/30/89

TIME 6:00 p.m.

HOW ROTARY

DRILLING WILL COMMENCE 8/31/89

CONFIDENTIAL

REPORTED BY GLENN GOODWIN

TELEPHONE # 587-2561

DATE 8/31/89 SIGNED TAS TAKEN BY: LCR

ENTITY ACTION FORM - DOGM FORM 6

CONFIDENTIAL

OPERATOR Samedan Oil Corporation

OPERATOR CODE N0185

ADDRESS 1616 Glenarm Place, Suite 2550
Denver, CO 80202

PHONE NO. 303, 534-0677

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11008	43-037-31404	Big Pony #1-13	NWSW	13	36S	23E	San Juan	8/30/89	
COMMENTS: Federal-Lease Proposed Zone - Akah Field- Undesignated (Assign new entity 11008 on 9-12-89. First well spud in Unit 7 → No P.A.'s Unit- Dos Ponces (eff. 6-29-89)											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

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DIVISION OF
OIL, GAS & MINING

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL
B - ADD NEW WELL TO EXISTING ENTITY
C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
E - OTHER (EXPLAIN IN COMMENTS SECTION)

(SEE INSTRUCTIONS ON BACK OF FORM)

Scott A. Steinko

SIGNATURE

Petroleum Engineer

9/6/89

TITLE

DATE

CONFIDENTIAL



ROCKY MOUNTAIN GEO-ENGINEERING CO.

WELL SITE GEOLOGY MUD LOGGING

2450 INDUSTRIAL BLVD

PHONE (303) 243 3044

GRAND JUNCTION, COLORADO 81505

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DIVISION OF
OIL, GAS & MINING

API 43-037-31404

COMPANY SAMEDAN OIL CORP.

LOCATION SEC. 13, T36S-R23E

WELL BIG PONY #1-13

COUNTY SAN JUAN

FIELD WILDCAT

STATE UTAH

ELEVATION

DRILLING FLUID 0' to 5400' FRESH WATER-GEL
5400' to T.D. LSND

DEPTH LOGGED FROM TO
5000'

DATE LOGGED 9/6/89

ENGINEERS DAVE MEADE



SHALE



DOLOMITE



COAL



ANHY GYP



SANDSTONE



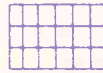
CHERT



SILTSTONE



LIMESTONE



SALT

DTG - DOWN TIME GAS
DSI - DRILL STEM TEST
SLM - STEEL LINE MEAS.
LAT - LOGGED AFTER TRIP
WOB - WEIGHT ON BIT
RPM - REVOLUTIONS / MIN
SPM - STROKES / MIN
PP - PUMP PRESSURE
O - DEVIATION

TG - TRIP GAS
CG - CONNECTION GAS
NB - NEW BIT
NR - NO RETURNS
CO - CIRCULATE OUT
NS - NO SAMPLE
RR - RERUN
CB - CORE BIT
O - SHOW REPORT

DRILLING RATE IN
M/2FT

LITHOLOGY

INTER
PRETIVE

DEPTH

PERCENT
AGE

OIL
SHOW
T.F.G.

CHROMATOGRAPH HYDROCARBONS IN PPM

M 1000 PPM

TOTAL GAS --- METHANE ---

ETHANE ---
PROPANE ---

BUTANE ---
PENTANE ---

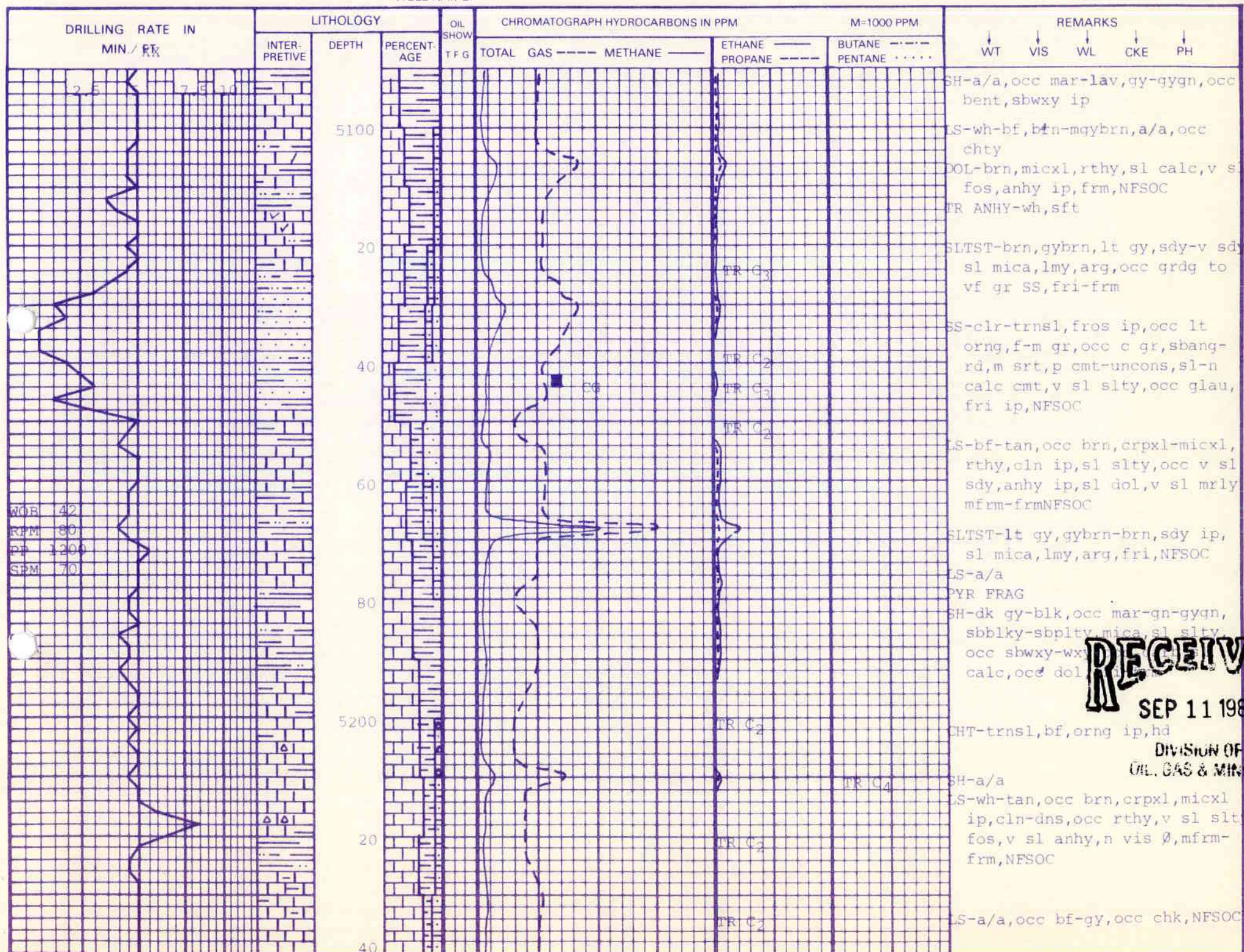
REMARKS

WT VIS WL CKE PH

CONFIDENTIAL

WELL NAME: SAMEDAN-BIG PONY #1-13

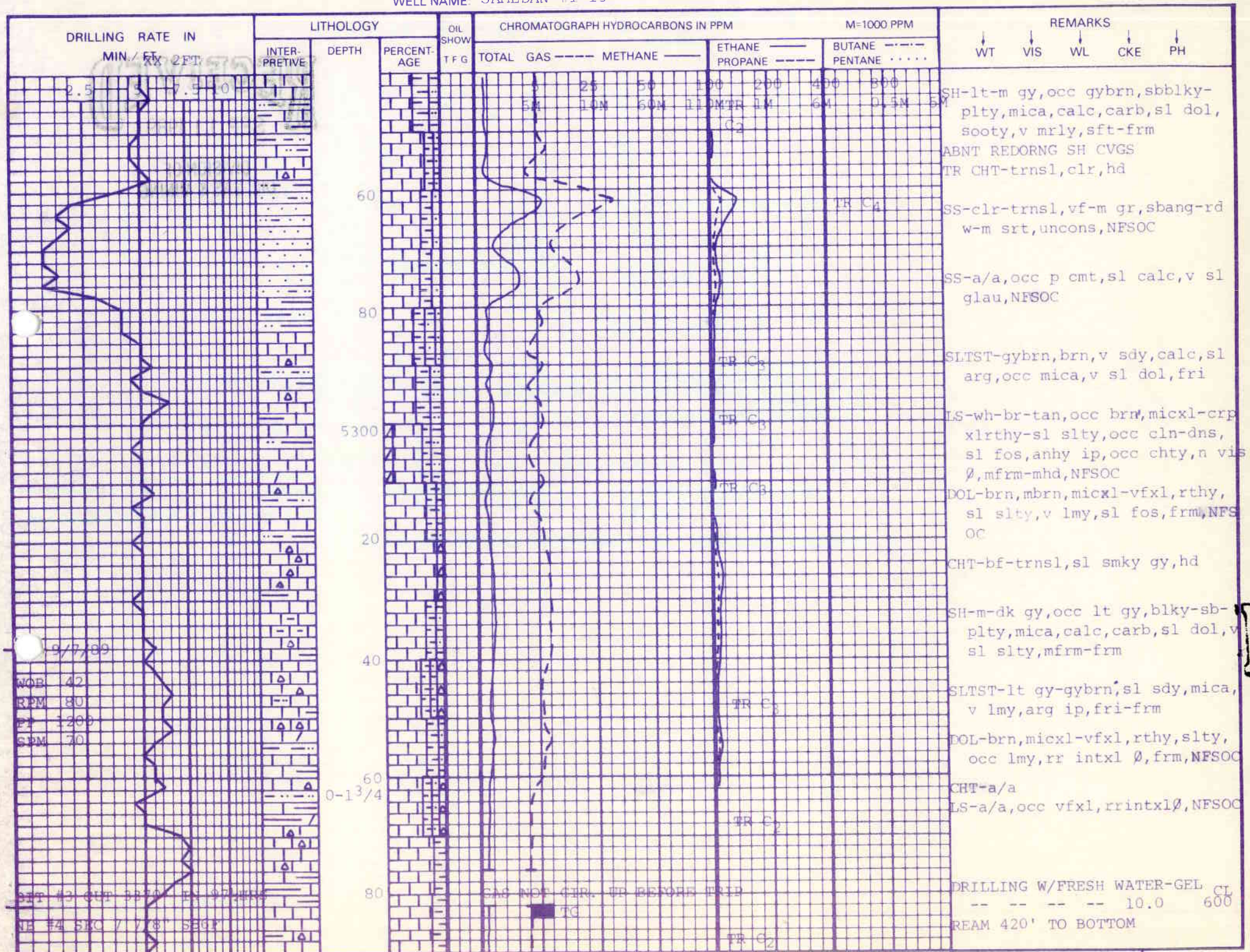
DRILLING RATE IN				LITHOLOGY		OIL	CHROMATOGRAPH HYDROCARBONS IN PPM							M=1000 PPM		REMARKS							
MIN/XX 2FT				INTER- PRETIVE	DEPTH	PERCENT- AGE	SHOW T F G	TOTAL	GAS	-----	METHANE	-----	ETHANE PROPANE	-----	BUTANE	-----	PENTANE	-----	WT	VIS	WL	CKE	PH
2.5 5 7.5 10																							



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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
ORIGINAL IN-
STRICTLY ON
REVERSE SIDE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Samedan Oil Corporation

3. ADDRESS OF OPERATOR

1616 Glenarm Place, Suite 2550, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 2240' FSL, 950' FWL (NWSW)

At top prod. interval reported below
2240' FSL, 950' FWL (NWSW)

At total depth

2240' FSL, 950' FWL (NWSW)

14. PERMIT NO.

43-037-31404

DATE ISSUED

7-18-89

15. DATE SPUDDED

8-30-89

16. DATE T.D. REACHED

9-13-89

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6039 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6300

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-6300

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

(Schlumberger) GR/SP/DLL 6300-surface MSFL 6300-5040 FDC/CNL 6300-5040

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	2012	11	670 SX	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

PRODUCTION

33.*		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in) P & A	
DATE FIRST PRODUCTION								
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							TEST WITNESSED BY	

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Scott Stinker

TITLE

Petroleum Engineer

DATE

9-19-89

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

GEOLOGIC MARKERS

38.

DESCRIPTION, CONTENTS, ETC.

FORMATION

BOTTOM

TOP

NAME

201

MEAS. DEPTH

TRUE
VERT. DEP.

Chinle

193.4

Shinarump

2556

Cutler

2682

Hermosa

4916

Upper Ismay

5924

Hovenweep

6024

Lower ~~Comay~~

6091

Gothic

6139

Desert Creek

6171

Chimney Rock

6246

Akah

6282

Salt

6297

CT

6300

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or to alter or to abandon a well.
Use "APPLICATION FOR PERMIT" for such proposals.)

SEP 21 1989

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1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Samedan Oil Corporation

DIVISION OF
OIL, GAS & MINING

3. ADDRESS OF OPERATOR
1616 Glenarm Place, Suite 2550, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2240' FSL; 950' FWL (NWSW)

CONFIDENTIAL

14. PERMIT NO.
43-037-31404

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
6,041' ungraded ground

5. LEASE DESIGNATION AND SERIAL NO.

U-23523

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

Dos Ponies

8. FARM OR LEASE NAME

Big Pony

9. WELL NO.

1-13

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec 13-T36S-R23E SLBM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Verbal approval and plugging program given by Dale Manchester, Moab BLM, 9-12-89.

P & A with Howco on 9-13-89.

Plug #	Interval	#Sx Class "B"
1	5965-5865	60
2	3900-3800	75
3	2062-1962	80
4	50- 0	15

9.6 ppg fresh water gel mud between all plugs. Location to be recontoured and reseeded once reserve pit is dried.

18. I hereby certify that the foregoing is true and correct

SIGNED

Scott Stinke

TITLE

Petroleum Engineer

DATE

9-19-89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

DIVISION WILLIAMSON
HALLIBURTON LOCATION FARMINGTON

BILLED ON TICKET NO. 843306

WELL DATA

FIELD Wildcat SEC. 13 TWP. 36N RANG. 23E COUNTY SAN JUAN STATE UT

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. 140 PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 6300

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>24</u>	<u>8 5/8</u>	<u>KB</u>	<u>2012</u>	
LINER						
TUBING		<u>16.60</u>	<u>4 1/2</u>	<u>KB</u>	<u>5974</u>	
OPEN HOLE			<u>7 7/8</u>	<u>KB</u>	<u>6300</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>1 1/2 XH</u>	<u>1</u>	<u>HALLCO</u>
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

JOB DATA

DATE	TIME	ON LOCATION DATE	TIME	JOB STARTED DATE	TIME	JOB COMPLETED DATE	TIME
<u>9-13-89</u>	<u>03:30</u>	<u>9-13-89</u>	<u>09:15</u>	<u>9-13-89</u>	<u>11:42</u>	<u>9-13-89</u>	<u>19:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>NEWTON 419124</u>	<u>35128</u>	<u>FARMINGTON</u>
<u>MICHUM 44617</u>	<u>4103 - 75196</u>	<u>FARMINGTON</u>
<u>NIELSON</u>	<u>1456</u>	<u>FARMINGTON</u>
<u>HARNOTT 77123</u>	<u>3096 - 7791</u>	<u>FARMINGTON</u>

DEPARTMENT CEMENT

DESCRIPTION OF JOB Plug to ABANDON

JOB DONE THRU: TUBING ☒ CASING ☐ ANNULUS ☐ TSG./ANN. ☐

CUSTOMER REPRESENTATIVE X Scott Steink

HALLIBURTON OPERATOR John R. Newton COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>110</u>	<u>STANDARD</u>			<u>B</u>	<u>NEAT</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM 400

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 0 REASON Pulled & lugged down

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. _____ TYPE _____

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____

CEMENT SLURRY: BBL.-GAL. 50.5

TOTAL VOLUME: BBL.-GAL. _____

REMARKS SEE job log

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OIL, GAS & MINING

CUSTOMER

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JOB LOG

WELL NO. 1-13

LEASE

BIG POING

TICKET NO.

042200

CUL

SINEDAN

PAGE NO.

DATE 9-13-89

JOB TYPE

Plug to ABANDON

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								On location 9-13-89 @ 09:15
								Rig up & W.O.O.
								5574-5571
	11:42	5	15			100		Pump FRESH WATER AHEAD
		5	12.4			100		Mix 60SX CMT @ 15.6 #/gal
		2	2			100		Pump 2000 FRESH WATER
		6	19.2			100		DISPLACE to BALANCE w/ m.c.
								3900' to 3800'
	1:27		15					Pump FRESH WATER AHEAD
			15.9					Mix 75SX CMT @ 15.6 #/gal
			2					Pump 2000 FRESH WATER
			56.0					DISPLACE to BALANCE w/ m.c.
								2062' to 1962'
	4:44		15					Pump FRESH WATER AHEAD
			16.8					Mix 80SX CMT @ 15.6 #/gal
			2					Pump 2000 FRESH WATER
			26					DISPLACE to BALANCE w/ m.c.
								60' to Surface
	6:43	2	5					Pump 5000 FRESH WATER AHEAD
		2	1					Mix 20SX CMT @ 15.6 #/gal
								Pull out of hole
								Job Complete

Thank you

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CUSTOMER